## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:  $\frac{10/537,280}{PCT-EFS}$ Date Processed by STIC:  $\frac{1-9-66}{1-9-66}$ 

## ENTERED



PCT

RAW SEQUENCE LISTING DATE: 01/09/2006 PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

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Furmaniak, Jadwiga
              Smith, Bernard Rees
      7 <120> TITLE OF INVENTION: Binding Partners for the Thyrotropin Receptor and uses
thereof
      9 <130> FILE REFERENCE: URQU.P-016
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/537,280
C--> 13 <141> CURRENT FILING DATE: 2005-05-27
     15 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005171
     16 <151> PRIOR FILING DATE: 2003-11-28
     19 <150> PRIOR APPLICATION NUMBER: GB 0227964.4
     20 <151> PRIOR FILING DATE: 2002-11-29
     22 <150> PRIOR APPLICATION NUMBER: GB 0302140.9
     23 <151> PRIOR FILING DATE: 2003-01-29
     25 <150> PRIOR APPLICATION NUMBER: GB 0315147.9
     26 <151> PRIOR FILING DATE: 2003-06-27
     28 <160> NUMBER OF SEQ ID NOS: 38
     30 <170> SOFTWARE: PatentIn version 3.1
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     33 <211> LENGTH: 121
     34 <212> TYPE: PRT
     35 <213> ORGANISM: Homo sapiens
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    · 43 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
     44
                    20
     47 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
                                                        45
                35
                                    40
     51 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
                                                    60
           50
                                55
     55 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
                                                75
                            70
     59 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
                                            90
     60
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     63 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
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     72 <211> LENGTH: 5
     73 <212> TYPE: PRT
     74 <213> ORGANISM: Homo sapiens
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3 <110> APPLICANT: Sanders, Jane

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158 Leu Thr Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Arg Gln

162 Arg Val Thr Ile Ser Cys Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn

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PATENT APPLICATION: US/10/537,280

151 <210> SEQ ID NO: 6 152 <211> LENGTH: 111 153 <212> TYPE: PRT

156 <400> SEQUENCE: 6

154 <213> ORGANISM: Homo sapiens

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Input Set : N:\efs\10537280 efs\URQUP16\_seq.txt Output Set: N:\CRF4\01092006\J537280.raw 166 Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu 167 35 40 170 Ile Tyr Tyr Asp Asp Gln Leu Pro Ser Gly Val Ser Asp Arg Phe Ser 171 50 55 174 Gly Ser Arg Ser Gly Thr Ser Ala Ser Leu Ala Ile Arg Gly Leu Gln 70 175 65 75 178 Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Thr Ser Trp Asp Asp Ser Leu 179 85 90 182 Asp Ser Gln Leu Phe Gly Gly Gly Thr Arg Leu Thr Val Leu Gly 183 100 105 186 <210> SEQ ID NO: 7 187 <211> LENGTH: 13 188 <212> TYPE: PRT 189 <213> ORGANISM: Homo sapiens 191 <400> SEQUENCE: 7 193 Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn Ala Val Asn 194 1 5 197 <210> SEQ ID NO: 8 198 <211> LENGTH: 7 199 <212> TYPE: PRT 200 <213> ORGANISM: Homo sapiens 202 <400> SEQUENCE: 8 204 Tyr Asp Asp Gln Leu Pro Ser 205 1 208 <210> SEQ ID NO: 9 209 <211> LENGTH: 11 210 <212> TYPE: PRT 211 <213> ORGANISM: Homo sapiens 213 <400> SEQUENCE: 9 215 Thr Ser Trp Asp Asp Ser Leu Asp Ser Gln Leu 216 1 219 <210> SEQ ID NO: 10 220 <211> LENGTH: 363 221 <212> TYPE: DNA 222 <213> ORGANISM: Homo sapiens 224 <400> SEQUENCE: 10 60 225 caaatgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc 227 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg 120 229 cccgggaaag gcctagagtg gatgggcagg attgatccta ctgactctta taccaactac 180 240 231 aqtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac 300 233 ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa 360 235 ccqqqctata qcaqcacctq qtccqtaaat tqqqqccaqq gaaccctqgt caccqtctcc 363 237 tca 240 <210> SEQ ID NO: 11 241 <211> LENGTH: 15 242 <212> TYPE: DNA 243 <213> ORGANISM: Homo sapiens 245 <400> SEQUENCE: 11 15 246 agctactgga tcaac

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PATENT APPLICATION: US/10/537,280

RAW SEQUENCE LISTING DATE: 01/09/2006 PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt

Output Set: N:\CRF4\01092006\J537280.raw

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251 <212> TYPE: DNA
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258 <210> SEQ ID NO: 13
259 <211> LENGTH: 36
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapiens
263 <400> SEQUENCE: 13
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267 <210> SEQ ID NO: 14
268 <211> LENGTH: 394
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 14
273 caaatgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc
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275 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg
                                                                           120
277 cccgggaaag gcctagagtg gatgggcagg attgatccta ctgactctta taccaactac
                                                                           180
279 agtecatect teaaaggeea egteacegte teagetgaca agtecateaa caetgeetae
                                                                           240
                                                                           300
281 ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa
                                                                           360
283 ccgggctata gcagcacctg qtccgtaaat tggggccagg gaaccctggt caccgtctcc
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285 tcagcctcca ccaagggccc atcggtcttc cccc
288 <210> SEQ ID NO: 15
289 <211> LENGTH: 333
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
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294 ctgcctgtgc tgactcagcc accctcggtg tctggagccc ccaggcagag ggtcaccatc
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296 tectgttetg gaaacagete caacategga aataatgetg taaactggta ceageagete
                                                                           120
298 ccaggaaagg ctcccaaact cctcatttat tatgatgatc aactgccctc aggggtctct
                                                                           180
                                                                           240
300 gaccgattet etggetecag gtetggeace teegeeteee tggecateeg tgggetecag
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302 tctgaggatg aggctgatta ttactgtaca tcatgggatg acagcctgga tagtcaactg
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304 ttcqqcqqaq qqaccaqqct gaccqtccta ggt
307 <210> SEQ ID NO: 16
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309 <212> TYPE: DNA
310 <213> ORGANISM: Homo sapiens
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316 <210> SEQ ID NO: 17
317 <211> LENGTH: 21
318 <212> TYPE: DNA
319 <213> ORGANISM: Homo sapiens
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326 <211> LENGTH: 33
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Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

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336 <212> TYPE: PRT
337 <213> ORGANISM: Mus sp.
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345 Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
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349 Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
           35
                                40
353 Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe
                                                 60
354
       50
                            55
357 Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
                        70
                                             75
358 65
361 Met His Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                                         90
                    85
365 Ser Arg Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly
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369 Thr Thr Leu Thr Val Ser Ser
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373 <210> SEQ ID NO: 20
374 <211> LENGTH: 5
375 <212> TYPE: PRT
376 <213> ORGANISM: Mus sp.
378 <400> SEQUENCE: 20
380 Thr Tyr Trp Met His
381 1
384 <210> SEQ ID NO: 21
385 <211> LENGTH: 17
386 <212> TYPE: PRT
387 <213> ORGANISM: Mus sp.
389 <400> SEQUENCE: 21
391 Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe Lys
392 1
395 Gly
399 <210> SEQ ID NO: 22
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401 <212> TYPE: PRT
402 <213> ORGANISM: Mus sp.
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410 <210> SEQ ID NO: 23
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/537,280

DATE: 01/09/2006 TIME: 08:29:27

Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date